

Current Status of the Claims

Claims 1 to 20 incl. (cancelled)

21. (previously presented) A filtering system comprising:  
an inlet for receiving liquid to be filtered,  
a reservoir fed by said inlet,  
an outlet for receiving fluid that overflows said reservoir,  
a plurality of adjacent filter cells fed by said reservoir,  
each filter cell having:

(a) at least first and second layers of filtering material,

(b) one of which layers receives water from said reservoir,  
and allows said water to pass to the other layer,

(c) the other of said layers having two vertical sides one  
of which sides is adjacent said one layer, and

(d) a drain adjacent the other said side of said other  
layer, and

an outlet for filtered water fed by said drain,  
said cells being circular and concentric.

22-25 (cancelled)

26. (previously presented) A filtering system as defined in  
claim 21, in which said cells are not only circular and concentric  
with each other, but are complete circles extending 360 degrees.

27. (previously presented) A filtering system as defined in  
claim 21, in which each layer of each cell is circular and  
concentric with all other layers of said cells.

28. (previously presented) A filtering system as defined in claim 27, in which each of said layers has top and bottom ends and two sides,

said one layer being open at one end to receive liquid from said reservoir and having a fluid blockade at its other end, said one layer also having a filtering material which is coarse as compared to the filtering material in the other layer,

said other layer having one of its said ends adjacent said reservoir and a fluid blockade at each of its said ends so that fluid passes from said one layer through said other layer to said drain.

29. (previously presented) A filtering system as defined in claim 28, in which a single outlet receives the fluid that overflows said reservoir and also receives the fluid from said drains.

30. (previously presented) A filtering system as defined in claim 29, in which there are more than two of said cells.

31. (previously presented) A filtering system as defined in claim 21, in which said reservoir is below said cells and has a conduit that extends vertically upward to thereby apply sufficient fluid pressure to the fluid in said reservoir to force said fluid under pressure through said cells, and

an output drain adjacent said second side of said second layer.

32. (cancelled)

33. (previously presented) A filtering system as defined in claim 31, in which each layer of each cell is circular, and concentric with all other layers.

34. (previously presented) A filtering system as defined in claim 33, in which said drains and any fluid that overflows said reservoir, feed a common outlet.

35. (previously presented) A filtering system as defined in claim 34, in which there are more than two of said cells.

36. (previously presented) A filtering system as defined in claim 35, in which each of said layers has top and bottom ends and two sides,

said one layer being open at one end to receive liquid from said reservoir and having a fluid blockade at its other end, said one layer also having a filtering material which is coarse as compared to the filtering material in the other layer,

said other layer having one of its said ends adjacent said reservoir and a fluid blockade at each of its said ends so that fluid passes from said one layer through said other layer to said drain.

37-40 incl. (cancelled)

41. (previously presented) A filtering system comprising:  
an inlet for receiving fluid to be filtered,  
a reservoir fed by said inlet,  
an outlet for receiving fluid that overflows said reservoir,  
and

a filter cell fed by said reservoir,  
said filter cell having:

(a) at least first and second layers of filtering material,  
said first and second layers having a common porous sidewall,

(b) the first of which layers receives fluid from said  
reservoir and allows said fluid to pass through said porous  
sidewall to the second layer,

(c) a drain, said second layer and said drain having a  
common porous sidewall,

said porous sidewalls comprising a material for preventing  
passage of filtering material therethrough while allowing passage  
of fluid therethrough,

in which there are at least two of said cells and in which  
one of said cells completely surrounds another cell in at least one  
plane.

42 and 43 (cancelled)

44. (previously presented)) A filtering system comprising:  
an inlet for receiving fluid to be filtered,  
a reservoir fed by said inlet,  
an outlet for receiving fluid that overflows said reservoir,  
and

a filter cell fed by said reservoir,  
said filter cell having:

(a) at least first and second layers of filtering material  
said first and second layers having a common porous sidewall,

(b) the first of which layers receives fluid from said  
reservoir and allows said fluid to pass through said porous  
sidewall to the second layer,

(c) a drain, said second layer and said drain having a  
common porous sidewall,

said porous sidewalls comprising a material for preventing  
passage of filtering material therethrough while allowing passage  
of fluid therethrough,

in which said drain surrounds said layers in at least one  
plane.

45 and 46 (cancelled)

47. (previously presented) A filtering system comprising:  
an inlet for receiving fluid to be filtered,  
a reservoir fed by said inlet,  
an outlet for receiving fluid that overflows said reservoir,  
and

a filter cell fed by said reservoir,  
said filter cell having:

(a) at least first and second layers of filtering material,  
said first and second layers having a common porous sidewall,

(b) the first of which layers receives fluid from said  
reservoir and allows said fluid to pass through said porous  
sidewall to the second layer,

(c) a drain, said second layer and said drain having a  
common porous sidewall,

said porous sidewalls comprising a material for preventing  
passage of filtering material therethrough while allowing passage  
of fluid therethrough,

in which said layers and drain are cylindrical and  
concentric and said drain surrounds said layers in at least one  
plane.

48 to 52 incl. (cancelled)

53. (previously presented) A filtering system,  
comprising:

a first filtering media,

a second filtering media that is different than said first  
media,

a first porous barrier that allows fluid, but not filtering  
media, to flow through it, separating said first and second  
filtering media,

a drain,

a second porous barrier separating said drain from said  
second filtering media, said second porous barrier allowing fluid  
to flow through it from said second filtering media to said drain  
but not allowing filtering media to pass through it, and

an inlet for feeding fluid to be filtered to said first  
filtering media,

wherein said first filtering media has two sides,

said second filtering media being located adjacent both of  
said two sides,

said first porous barrier extending between said first and  
second media along both of said two sides.

54 and 55 (cancelled)

56. (previously presented) A filtering system, comprising:  
a first filtering media,  
a second filtering media that is different than said first media,  
a first porous barrier that allows fluid, but not filtering media, to flow through it, separating said first and second filtering media,  
a drain,  
a second porous barrier separating said drain from said second filtering media, said second porous barrier allowing fluid to flow through it from said second filtering media to said drain but not allowing filtering media to pass through it, and  
an inlet for feeding fluid to be filtered to said first filtering media, and  
a reservoir having a tray feeding fluid to be filtered to said first filtering media, said tray having an overflow outlet,  
in which said first filtering media has two sides and said first porous barrier and said second filtering media extend along both of said sides, so that fluid in said first filtering media may pass out both of its sides to said second filtering media.

57. (previously presented) A filtering system comprising:  
a first filtering media having two sides,  
first and second porous barriers each of which has a first  
face and a second face,

said first face of said first barrier covering one of said  
sides and the first face of the second barrier covering said other  
said side,

a second filtering media having a first face covering the  
second face of said first barrier, said second filtering media  
having a second face,

a third porous barrier that receives fluid from and covers  
said second face of said second filtering media,

a first drain that receives fluid that has passed through  
said third porous barrier,

a third filtering media having one face covering the second  
face of said second porous barrier, said third filtering media  
having a second face,

a fourth porous barrier that receives fluid from and covers  
said second face of said third filtering media, and

a second drain that receives fluid that passes through said  
fourth porous barrier.

58. (previously presented) A filtering system as defined  
in claim 57, in which said second and third filtering media are  
interconnected and therefore comprise a continuous filtering media.

59. (previously presented) A filtering system as defined in claim 58, in which said first filtering media is elongated and has two ends,

a fifth porous barrier covering one of said ends and

a filtering media covering said barrier that covers said one end.

60. (previously presented) A filtering system as defined in claim 59, in which said first, second and fifth porous barriers comprise one continuous barrier.

61. (previously presented) A filtering system as defined in claim 57, in which said second and third filtering media and said drains are circular and concentric.

62. (previously presented) A filtering system as defined in claim 57, in which one of said drains surrounds, in one plane, all of the other elements of said claim 57.

63. (previously presented) A filtering system as defined in claim 57, in which said porous barriers comprise a geotextile material that is fine enough to retain said second and third filtering media.

64. (new) A device for filtering a fluid, comprising:

a filter having two opposing sides one of which is an input side for receiving the fluid to be filtered and the other of which is an output side for discharging the filtered fluid,

said sides having a space between them,

said device including a first portion that extends from one of said sides to the other of said sides in said space between said sides,

said device also having a second portion surrounding said first portion in the space between said sides,

each said portion including filtering material that filters fluid passing through such portion.

65. (new) A device for filtering a fluid as defined in claim 64, in which:

each said portion defining an input flow path starting from said input side and extending toward said output side,

each said portion defining an output flow path starting at said output side and extending toward said input side,

each portion having said filtering material located between its input and output paths for filtering the fluid passing from said input flow path to said output flow path.

66. (new) A device for filtering fluids as defined in claim 64, in which said sides are parallel.

67. (new) A device for filtering a fluid as defined in claim 64, in which:

said device having a third portion which surrounds both of said first and second portions in said space,

said third portion having filtering material that filters the fluid passing through said third portion.

68. (new) A device for filtering a fluid as defined in claim 65, in which:

each said input flow path starting at said input side and passing most of the way toward said output side.

69. (new) A device for filtering a fluid as defined in claim 68, in which each said input flow path is vertical.

70. (new) A device for filtering a fluid as defined in claim 65, in which said output flow path extends most of the way from said output side to said input side.

71. (new) A device for filtering a fluid as defined in claim 65, in which said sides are horizontal,

said input flow path extending most of the way from said input side to said output side and said output flow path extending most of the way from said output side to said input side.

72. (new) A device as defined in claim 71, in which said sides are horizontal and in which said input and output paths are vertical.

73. (new) A system for filtering a liquid, comprising:  
a reservoir for receiving the liquid to be filtered,  
a filter including at least two filtering elements; each of which elements includes at least one liquid input path and one liquid output path with said input path and said output path being spaced from each other,  
said filter including filtering material in the said spaces between said input and output paths,  
one of said elements surrounding the other element in at least one plane,  
said reservoir feeding liquid under pressure to said input paths.

74. (new) A system for filtering a liquid as defined in claim 73, wherein said reservoir is located vertically above said filter and applies said pressure due to the force of gravity on the liquid; said input and output paths being vertical.

75. (new) A system for filtering a liquid as defined in claim 73, wherein said reservoir is located vertically below said filter and applies said pressure due to the force of gravity on the liquid; said input and output paths being vertical.